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JAN 31 2007

Ser. No. 10/619,294, Prelim. Amd.

IN THE CLAIMS

1. (currently amended): A loudspeaker for outputting sound in a frequency range including a lowest frequency f , the lowest frequency f having a wave number k ; the loudspeaker comprising:
a generally ~~annular~~ arcuate source of wind pulsating at the frequency f , the source having an ~~annular~~ arcuate radius r such that a quantity rk is approximately equal to or larger than one;
whereby wind is converted into sound at the lowest frequency f and bass response is improved.
2. (currently amended): The loudspeaker according to claim 1, wherein the generally ~~annular~~ arcuate source of wind comprises a plurality of electrodynamic loudspeakers disposed in an arcuate line array.
3. (currently amended): The loudspeaker according to claim 1, comprising a central baffle aligned with a plane defined by the generally ~~annular~~ arcuate source of wind.
4. (currently amended): The loudspeaker of claim 3, wherein the generally ~~annular~~ arcuate source of wind comprises a plurality of electrodynamic loudspeakers disposed in at least a portion of a generally ~~circular~~ arcuate line array, and the loudspeakers are mounted in the surface, and the individual speakers are tilted inward.
5. (canceled)
6. (previously presented): The loudspeaker of claim 2, comprising a hollow cabinet in which the loudspeakers are mounted, wherein the cabinet is sealed.
7. (currently amended): The loudspeaker of claim 1, wherein the ~~annular~~ arcuate source of wind is circular.

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8. (currently amended): The loudspeaker of claim 3, comprising a mount for mounting at least one symmetry baffle aligned substantially perpendicular to the central baffle, and wherein the ~~annular~~ arcuate source of wind extends around an arc and meets the symmetry baffle generally perpendicularly.

9. (original): The loudspeaker of claim 8, wherein the symmetry baffle is a radial symmetry baffle and a center point of the arc lies adjacent the symmetry baffle.

10.-13. (canceled)

14. (original): The loudspeaker of claim 8, wherein the symmetry baffle is a radial symmetry baffle.

15. (currently amended): The loudspeaker of claim [[10]] 2, wherein the arcuate line array is circular.

16. (previously presented): A loudspeaker comprising a plurality of electrodynamic loudspeakers mounted in a panel surrounding a central area in which there are none of the loudspeakers, and wherein the central area is larger in diameter than a speaker diameter.

17. (currently amended): The loudspeaker of claim 1, wherein the wind has a wind direction generally perpendicular to an ~~annular~~ arcuate plane of the source.

18. (currently amended): A method of creating sound of a frequency f , having a wave number k ; the method comprising:

providing a generally ~~annular~~ arcuate source of pulsating wind having an outer ~~annular~~ arcuate radius r such that a quantity rk is approximately equal to or larger than one; and

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pulsating the wind at the frequency f , whereby the pulsating wind is converted into sound at the frequency f with a high radiation efficiency.

19. (currently amended): The method of claim 18, comprising providing a central baffle aligned with a plane defined by the generally ~~annular~~ arcuate source of wind.

20. (currently amended): The method of claim 19, comprising providing at least one symmetry baffle aligned substantially perpendicular to the central baffle, and wherein the step of providing a generally ~~annular~~ arcuate source of pulsating wind includes providing the ~~annular~~ arcuate source around an arc to meet the symmetry baffle generally perpendicularly.

21. (previously presented): The loudspeaker of claim 4, wherein the speakers are all tilted at a same angle.